

Table of Contents

Background to the Iowa Sustainable Design Initiative		i-ii
Section 1:	Guide Overview	
	What is Sustainable Design?	1.1
	Why Sustainable Design in Iowa?	1.1
	Who Should Use This Guide?	1.2
	When Should This Guide be Used?	1.2
	What is Included in This Guide?	1.3
	How Should This Guide be Used?	1.3
	Acknowledgements	1.4
Section 2:	Introduction to Sustainable Design	
	What is Sustainable Design?	2.1
	Integrated Sustainable Design	2.4
	Benefits of Sustainable Design	2.5
	Who is Using Sustainable Design?	2.8
	Related Resources	2.10
Section 3:	Sustainable Design Process	
	Introduction	3.1
	Traditional Design Phases	3.1
	Implementing the Sustainable Design	
	Process – A Flowchart	3.3
	Phase 1 – A Project/Need is Identified	3.4
	Phase 2 – Design Team Selected/ Project Awarded	3.5
	Phase 3 – Programming	3.7
	Phase 4 – Design; Conceptual, Schematic and Design Development	3.10
	Phase 5 – Construction Documents	3.12
	Phase 6 – Select Contractor	3.13
	Phase 7 – Construction	3.14
	Phase 8 – Occupancy	3.15
	Related Resources	3.17

Table of Contents

Section 4:	Sustainable Design Rating Systems	
	Introduction	4.1
	What is LEED?	4.1
	LEED-NC Certification Ratings	4.3
	LEED Accredited Professional	4.5
	National and Local Rating Systems	4.5
	SPiRiT	4.5
	Energy Star Building Label	4.6
	International Rating Systems	4.6
	Related Resources	4.9
Section 5:	Economics of Sustainable Design	
	Introduction	5.1
	Key Considerations	5.1
	Additional Design Fees	5.2
	Cost of Material and System Solutions	5.3
	Solution First Cost	5.5
	Solution Cost	5.6
	Solution Availability	5.6
	Solution Performance	5.6
	Cost Comparison	5.7
	The Cost of LEED	5.8
	Related Resources	5.9
Section 6:	Sustainable Goals and Solutions	
	Section Objectives	6.1
	Overview	6.1
	How to Use This Section	6.2
	Related Resources	6.4
	Goals and Solutions Matrix	6.6
Section 7:	Sustainable RFQs and RFPs for the Design Professional	
	Introduction	7.1
	Sample Requests	7.2
	Related Resources	7.4

Table of Contents

Section 8:	Sustainable Construction Documents	
	Introduction	8.1
	Drawings	8.1
	Specifications	8.2
	General Issues Regarding Sustainability and Specifications	8.3
	Goals vs. Requirements	8.4
	Documentation of Sustainable Design Decisions	8.5
	Writing / Editing Specifications for Sustainability	8.5
	Sustainable Specification Editing Tips	8.5
	Sustainable Technical Specification Sections	8.8
	Sample Sustainable Specification	8.8
	Related Resources	8.9
Section 9:	Appendices	
Appendix A	Cost of LEED	
	Introduction	A-1
	Additional Costs	A-1
	Additional Consulting Services	A-3
	Additional Construction/ Material Costs	A-5
Appendix B	Evaluating Sustainable Solutions	B-1
	Sample Use of Evaluation Form	B-2
Appendix C	Writing the Green RFP	
	Project Introduction	C-1
	Project Objectives	C-2
	Qualifications and Experience	C-3
	Services Required and Approach	C-5
	Scope of the Project	C-6
	Budget	C-7
	Submission Requirements	C-7
	Evaluation Methodology	C-8
	Contractual Information	C-8

Table of Contents

Appendix D	Sample Specifications	
	Section 06000 Carpentry	D-1
	Part 1	
	1.1 Quality Assurance	D-2
	1.2 Submittals	D-3
	1.3 Product Delivery, Storage and Handling	D-3
	1.4 Job Conditions	D-3
	Part 2 - Products	
	2.1 Materials – Rough Carpentry	D-4
	Section 07900 Joint Sealants	D-5
	Part 1 – General	
	1.1 Description	D-6
	1.2 Quality Assurance	D-7
	1.3 Submittals	D-7
	1.4 Job Conditions	D-7
	1.5 Warranty	D-7
	Part 2 – Products	
	2.1 Materials	D-8
Appendix E	State Sustainable Design Programs	E-1
Appendix F	Compilation of Resources	F-1
Appendix G	Charrette Handbook TOC	G-1